

**O I P E**

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|---|--|-------------|---|--------------------------|
| Form PTO 1449<br>Rev. 7-80  | U.S. Department of Commerce<br>Patent and Trademark Office | Date        | Att'y. Docket No.<br>10/7861/LeA 35,552 | Serial No.<br>10/782,106 |
| LIST OF PRIOR ART CITED BY APPLICANT<br>(Use Several Sheets If Necessary) |  | AUG 26 2004 | Applicant<br>Knud Reuter et al          |                          |
|   |  |             | Filing Date<br>January 21, 2004         | Group<br>1756            |

**U.S. PATENT DOCUMENTS**

| EXAMINER INITIAL |    | DOCUMENT NUMBER | DATE     | NAME                                     | CLASS             | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|----|-----------------|----------|--|-------------------|----------|----------------------------|
| <i>mc</i>        | AA | 4,987,042       | 01/22/91 | (Bel. to corresp. to EP<br>Jonas et al)  | 339 340)<br>429   | 213      |                            |
|                  | AB | 5<br>4,959,430  | 09/25/90 | (Bel. to corresp. to EP<br>Jonas et al)  | 339 340)<br>526   | 257      |                            |
|                  | AC | 4,959,430       | 09/25/90 | (Bel. to corresp. to EP<br>Jonas et al)  | 339 340)<br>526   | 257      |                            |
|                  | AD | 4,987,042       | 01/22/91 | (Bel. to corresp. to EP<br>Jonas et al)  | 339 340)<br>429   | 213      |                            |
|                  | AE | 5,035,826       | 01/30/91 | (Bel. to corresp. to EP<br>Jonas et al)  | 339 340)<br>427   | 393.1    |                            |
|                  | AF | 5,111,327       | 05/05/92 | Blohm et al                              | 526               | 256      |                            |
|                  | AG | 5,300,575       | 04/05/94 | (Bel. to corresp. to EP<br>Jonas et al)  | 440 857)<br>525   | 186      |                            |
|                  | AH | 6,130,339       | 10/10/00 | Tan et al                                | 549               | 50       |                            |
|                  | AI | 2002/0165338 A1 | 11/07/02 | Martin et al                             | 528               | 377      |                            |
|                  | AJ | 2003/0139505 A1 | 07/24/03 | (Bel. to corresp. to EP<br>Reuter et al) | 1327 645)<br>524  | 265      |                            |
| <i>mc</i>        | AK | 2003/0216540 A1 | 11/20/03 | (Bel. to corresp. to EP<br>Reuter e)     | 1 352 918)<br>528 | 380      |                            |

**FOREIGN PATENT DOCUMENTS**

|           |    | DOCUMENT NUMBER | DATE     | COUNTRY                     | CLASS | SUBCLASS | TRANSLATION |     |
|-----------|----|-----------------|----------|-----------------------------|-------|----------|-------------|-----|
|           |    |                 |          |                             |       |          | Yes         | No* |
| <i>mc</i> | AL | 1 321 483       | 06/25/03 | Europe                      |       |          |             |     |
| <i>mc</i> | AM | 188 43 031      | 04/23/88 | Germany (Abstract attached) |       |          |             | X   |
|           | AN |                 |          |                             |       |          |             |     |
|           | AO |                 |          |                             |       |          |             |     |
|           | AP |                 |          |                             |       |          |             |     |

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

|           |    |   |
|-----------|----|---|
| <i>mc</i> | AR | Adv. Mater., 12, No. 7, (month unavailable) 2000, pages 481-494 L. "Ber" Groenendaal et al,<br>"Poly (3,4-ethylenedioxythiophene) and Its Derivatives: Past, Present, and Future" |
| <i>mc</i> | AS | Adv. Mater., 6, No. 2, (month unavailable) 1994, pages 138-142, Christine Thobie-Gautier et al,<br>"Electropolymerization of Thiophene Derivatized with a Mesogenic Substituent"  |
| <i>mc</i> | AT | Chem. Letters, (month unavailable) 2000, pages 936-937, Masashi Kijima et al, "Synthesis of a<br>Novel Ionic Liquid Crystalline Polythiophene Having Viologen Side Chain"         |

|   |                    |                 |                |
|---|--------------------|-----------------|----------------|
| EXAMINER  | <i>Knud Reuter</i> | DATE CONSIDERED | <i>5/12/05</i> |
| EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant. |                    |                 |                |

Neither English Language Equivalent nor an English Language Translation is available.